



IDS SCORECARD: CREATE IDS | TOOL:

24.09.2025

General IDS & Specifications		Applicability				Requirement				Instructions
Export to IDS	IDS-Audit tool	Entity	Multiple Entities	Predefined Type	Pattern	Entity	Multiple Entities	Predefined Type	Pattern	
name	Cardinality of applicability	Attribute	Pattern	Length		Attribute	Length	Pattern	Cardinality	uri
IFC2x3	required	Classification	System	Code	Pattern	Classification	System	Code	Pattern	Cardinality
IFC4	optional	Property	Restriction	Pattern	Bounds	Property	Restriction	Pattern	Bounds	Cardinality
IFC4X3_ADD2	prohibited	Material	Name	Restriction	Pattern	Material	Pattern	Cardinality	uri	
identifier	bSDD connection	PartOf	IFCREL AGGREGATES	IFCREL ASSIGNS TOGROUP	IFCREL CONTAINED INSPATIAL STRUCTURE	PartOf	IFCREL AGGREGATES	IFCREL ASSIGNS TOGROUP	IFCREL CONTAINED INSPATIAL STRUCTURE	Cardinality
description	instructions	Pattern	IFCREL NESTS	IFCREL VOIDS ELEMENT	IFCREL FILLS ELEMENT	Pattern	IFCREL NESTS	IFCREL VOIDS ELEMENT	IFCREL FILLS ELEMENT	

Use this card to check one IDS tool.

If the IDS can be exported run the IDS-audit-tool.
<https://www.xbim.it/ids>

Name and IFC version applies to the specification.

Dotted circles are optional features.
They count as a tie-breaker to determine a winner.

Cardinality:
- required (Must have / minOccurs 1, maxOccurs unbounded)
- optional (May have / minOccurs 0, maxOccurs unbounded)
- prohibited (May not have / minOccurs 0, maxOccurs 0)
- cardinality is set for the complete applicability.
- cardinality for requirements are set separately.

Pattern:
Regular Expressions can be used.

Restriction:
a list of values can be set.
(single value is always possible)

Length:
the number of characters can be set.
Either a fixed amount or a minLength / Maxlength.

Bounds:
Numbers can be <, <=, >, >= than a
specified value or within a specified range.

Scan the QR-code or go to:
<https://github.com/MennoMekes/IDS-Bingo>
to download:
- This scorecard
- IFC file
- IDS files complete
- IDS files containing only one specification





IDS SCORECARD: VALIDATE IDS | TOOL:

24.09.2025

General IDS & Specifications

Applicability

Requirement

Instructions

Import
IDS

error
message
or fix

Entity

Multiple
Entities

Predefined
Type

Pattern

Entity

Multiple
Entities

Predefined
Type

Pattern

name

Cardinality of
applicability

Attribute

Pattern

Length

Attribute

Length

Pattern

Cardinality

uri

IFC2x3

required

Classifi
cation

System

Code

Pattern

Classifi
cation

System

Code

Pattern

Cardinality

IFC4

optional

Property

Restriction

Pattern

Bounds

Property

Restriction

Bounds

Pattern

Cardinality

IFC4X3
_ADD2

prohibited

Material

Name

Restriction

Pattern

Material

Pattern

Cardinality

uri

identifier

bSDD
connection

PartOf

IFCREL
AGGRE
GATES

IFCREL
ASSIGNS
TOGROUP

IFCREL
CONTAINED
INSPATIAL
STRUCTURE

PartOf

IFCREL
AGGRE
GATES

IFCREL
ASSIGNS
TOGROUP

IFCREL
CONTAINED
INSPATIAL
STRUCTURE

Cardinality

description

instructions

Pattern

IFCREL
NESTS

IFCREL
VOIDS
ELEMENT

IFCREL
FILLS
ELEMENT

Pattern

IFCREL
NESTS

IFCREL
VOIDS
ELEMENT

IFCREL
FILLS
ELEMENT

Use this card to check one IDS tool.

If the IDS can be exported run the IDS-audit-tool.
<https://www.xbim.it/ids>

Name and IFC version applies to the specification.

Dotted circles are optional features.
They count as a tie-breaker to determine a winner.

Cardinality:

- required (Must have / minOccurs 1, maxOccurs unbounded)
- optional (May have / minOccurs 0, maxOccurs unbounded)
- prohibited (May not have / minOccurs 0, maxOccurs 0)
- cardinality is set for the complete applicability.
- cardinality for requirements are set separately.

Pattern:

Regular Expressions can be used.

Restriction:

a list of values can be set.
(single value is always possible)

Length:

the number of characters can be set.
Either a fixed amount or a minLength / Maxlength.

Bounds:

Numbers can be <, <=, >, >= than a
specified value or within a specified range.

Scan the QR-code or go to:

<https://github.com/MennoMekes/IDS-Bingo>
to download:

- This scorecard
- IFC file
- IDS files complete
- IDS files containing only one specification

